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中国瑞香科新分类群

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TAXA NOVA THYMELAEACEARUM SINICARUM

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关键词 瑞香科；新分类单位

Key words Thymelaeaceae; New taxa

沉香属 Aquilaria Lam.

云南沉香 外弦顺（云南傣族语）新种 图1

Aquilaria yunnanensis S. C. Huang, sp. nov. Fig. 1

Species *A. malaccensi* Lam. valde similis, sed fructibus minoribus, extus helvolo-tomentosis, exocarpiis in sicco rugosis, calycibus persistentibus erectis, seminibus dense ferrugineo-tomentosis, apice obtusis fere erostratis differt. Etiam cum *A. sinennsi* (Lour.) Spreng. proxima, sed exocarpiis in sicco rugosis cinereo-pubescentibus, seminibus ovoideis dense ferrugineo-sericeis, apice obtusis, basi appendecibus O.8—1 cm longis seminibus subaequilongis differt.

Arbuscula 3—8 m alta; ramulis juvenilibus fuscis, sparse pubescentibus. Folia coriacea, utrinque glabra vel subglabra vel subtus tantum ad nervos pilosa, elliptico-oblonga vel oblongo-lanceolata, interdum obovata, 7—11 cm longa, 2—4 cm lata, apice caudato-acuminata, caudis 1—1.5 cm longis, basi cunneata vel anguste cunneata, nervis lateralibus subtus conspicue prominentibus, venulis tenuibus et densis semper ramificantibus supra inconspicuis subtus manifestis; petioli 4—5 mm longi, pilosi. Inflorescentia terminalis vel axillaris, in umbellas 1—2 composita, pedunculo gracile circa 6 mm longo; flores luteoli. Calyx campanulatus, 6—7 mm longus, extus pubescens, intus 10-costatis, ad costas parce pilosas, lobis 5, ovato-oblongis, circa 3 mm longis tubo aequi-

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longis, intus dense pubescentibus. Appendices corollarum apice rotundatae, circa 1.5 mm longae, dense pilosae. Stamina 10, 1.5—2 mm longa, longiora 5 cum brevioribus alternanta; antheris linearibus filamentis subaequilongis vel brevioribus. Ovarium subsphaericum, circa 3 mm in diametro dense lucido-pubescens. Stylus nullus, stigmate capitato. Capsula obovoidea, 2.5 cm longa, 1.7 cm in diametro, apice rotundata, apiculata, basi attenuata, calyce persistente erecto cincta, loculicida, exocarpio in sicco rugoso suberoso, helvolo-tomentoso, suturis dorsalibus 4 mm latis, valvis spongiosis. Semina 1—2, ovoidea, dense ferrugineo-tomentosa, apice obtusa, basi appendicibus 1 cm longis seminibus subaequilongis.



图1.云南沉香 Aquilaria yunnanensis S.C.Huang
1.果枝; 2.果放大; 3.果纵剖。(肖溶绘)

Yunnan: Mengla, alt. 1200 m, in silvis vallis, 14 Jul. 1963, Li Yan-hui 004593 (Typus, KUN); Shuangjiang, alt. 1200 m, 27 Dec. 1958, Chu Tai-ping 0529.

云南:勐腊(悠乐山),生沟谷疏林,海拔1200米,1963年7月14日,李延辉004593(模式标本存昆明植物研究所标本室);双江,海拔1200米,1958年12月27日,朱太平0529。

本种与沉香 *Aquilaria malaccensis* Lam. 极相似,唯果较小,外面被灰黄色绒毛,果皮干时绉缩,果萼直立,较大,种子密被锈色绒毛,先端纯,几无喙而不同。亦与土沉香 *A.sinensis* (Lour.) Spreng. 相似,但果皮干时绉缩,被黄灰色毛,种子卵形,密被锈色绢毛,先端钝,基部附属体与种子等长,长0.8—1厘米而不同。

鼠皮树属 Rhamnoneuron Gilg

红花鼠皮树 **粗皮树、剥皮树(云南)新种 图2**

Rhamnoneuron rubriflorum C. Y. Wu, sp. nov. Fig.2

Species affinis *Rh. balansae* (Drake) Gilf, sed foliis majoribus lanceolatis basi subcuneatis, subsessilibus, inflorescentia foliis brevi, floribus rubris, majoribus, 10—12 mm longis differt.

Frutex 2—4 m altus. Ramuli graciles, fusci, primum pilis strigosis adp-

ressis vestiti deinde glabrescentes. Folia alternata, oblonga vel lanceolata, 10—19 cm longa, 2.5—5.5 cm lata, apice acuminata, basi cuneata vel late cuneata, rare rotundata, supra subglabra, subtus pilis pubescentidus adpressis vestita, nervis lateralibus manifestis, arcuatis, utroque 19—24, retibus venularum tenuibus et regularibus' subparallelis; petioli breves, 1—3 mm longi pilosi. Capitata saepe 4-flora in paniculas terminales vel axillares composita, bracteis 2 subrotundatis concavis extus sericeis suffulta, pedunculo 1.5—2 cm longo. Flores sessiles. Perianthium rubrum circa 1.2 cm longum, intus glabrum extus sericeum, 4-lobatum, lobis erectis ovatis 2.5 mm longis. Stamina 8 in seriebus 2 disposita, 4 supera ad faucem tubi perianthii lobis perianthiorum opposita, 4 infera staminibus superis 2 mm distantia lobis perianthiorum alterna; filamenta longitudine 1/2 antherae partes aequanthia; antherae oblongae 1.5 mm longae. Ovarium omne pilis albo-hirsutis nitidis vestitum, stylo brevi, stigmate subgloboso. Discus cupulatus ovarii basi circumdatus, margine sinuosus. Drupa fusiformis circa 8 mm alta, extus pilis albo-hirsutis nitidis dense vistita, perianthio persistenti inclusa. Semen 1. Florent in Martio.

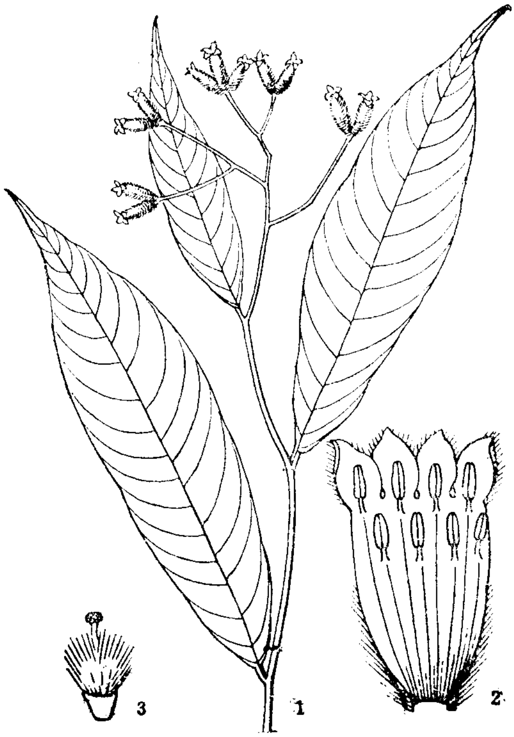


图2. 红花鼠皮树Rhamnoneuron rubriflorum C.Y.Wu
1.花枝；2.花被纵剖，×3；3.子房及柱头，×3。
(肖溶绘)

Yunnan: Pingbian, alt. 1100 m, in silvis laxis, 16 Mart. 1954, P. Y. Mao 3438 (Typus, KUN); ibid., alt. 1280 m, 11 Mart. 1954, P. Y. Mao 3347; ibid. alt. 1200 m, 23 Mart. 1954, P. Y. Mao 3524.

云南：屏边，生疏林中，海拔1100米，1954年3月16日，毛品一3438（模式标本存昆明植物研究所标本室）；同上地，海拔1280米，1954年3月11日，毛品一3347；同上地，海拔1200米，1954年3月23日，毛品一3524。

本种与鼠皮树 *Rhamnoneuron balansae* (Drake) Gilg 相近，但叶较大，披针形，基部近楔形，几无柄，花序较叶短，花红色，长1.0—1.2厘米而不同。

瑞香属　Daphne L.

紫花瑞香 新种 图3

Daphne purpurascens S. C. Huang, sp. nov. Fig.3

Species *D. longilobatae* Turr. affinis, sed ramulis robustis, foliis basi subrotundatis, floribus purpurascentibus.

Frutex 1.5—2 m altus; ramulis in sicco fulvidis, praecipue pilis villosis furcatis instructis, sed semper simplicibus intermixtis vestitis. Folia alternata, lanceolata, 3.5—5 cm longa, 0.8—1.5 cm lata, apice acuminata, basi subrotundata, apice albo-caespitoso-tomentosa excepta ceterum glabra, supra viridia, subtus viridi-flava, costa robusta, nervis lateralibus 5—8-jugis, supra impressis, subtus prominentibus; petioli complanati, circa 1 mm longi. Inflorescentia capitata terminalis, 8—10-flora. Perianthium purpureo-roseum, apice 4-lobatum, lobis ovatis, 5 mm longis, 2.5 mm latis, manifeste reticulatis, tubo 4 mm longo, 8-nervi. Stamina 8, supra medium tubi perianthii inserta, in seriebus 2 disposita, 4 supera lobis perianthii opposita cetera lobis alterna, antheris oblongis circa 1.5 mm longis, filamentis brevissimis 0.4 mm longis. Ovarium ovoideum 2 mm altum, glabrum, stylo brevi, stigmate aphaeroideo mamillato. Discus annularis. Fructus non visus.

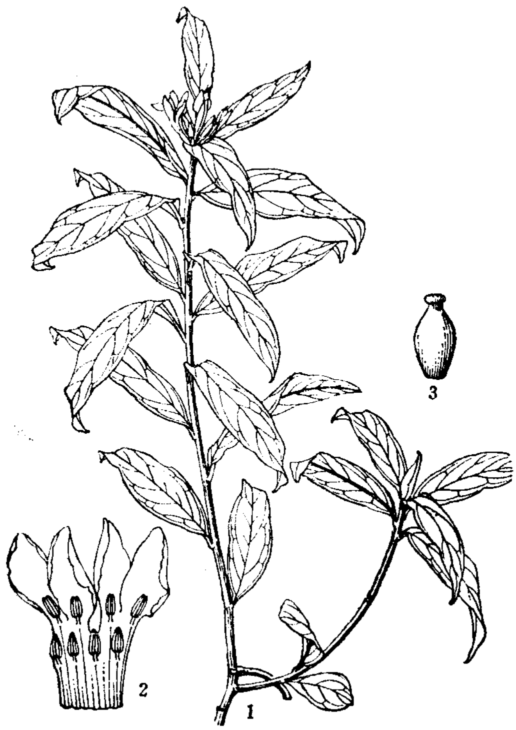


图3. 紫花瑞香 Daphne purpurascens S.C. Huang
1.花枝；2.花被纵剖，×2；3.子房及柱头，×4。
（肖溶绘）

Xizang: Cona, alt. 2900 m, in fruticetis declivae, 4 Oct. 1974, Qingzang Complex Exped. 74-2759 (Typus, KUN); ibid., 30 Aug. 1975, Qingzang Complement Coll. Group 75-1793.

西藏：错那，生山坡灌丛，海拔2900米，1974年10月4日，青藏综考队74-2759（模式标本存昆明植物研究所标本室）；同上地，1975年8月30日，青藏补点组75-1793。

本种与长裂瑞香 *Daphne longilobata* Turr. 相近，唯小枝粗壮，叶基部近圆形，花紫色而不同。

结香属 **Edgeworthia** Meisn.

西畴结香　新种　图4

Edgeworthia eriosolenoides Feng et S. C. Huang, sp.nov. Fig. 4

Species *E. albiflorae* Nakai affinis, a qua differt inflorescentiis capitatis 15—17-floris, perianthiis extus pilis sericeo-pilosis argenteis vestitis.

Frutex. Ramuli fusci trinacriformes pubescentes. Folia chartacea, elliptica vel elliptico-lanceolata, 5.5—15 cm longa, 1.7—4.7 cm lata, apice acuminata, basi attenuata, supra viridia sparse adpressi-sericeo-pilosa, subtus cinereo-viridia, densius sericeo-pilosa, nervis lateralibus manifestis utroque 10—13, retibus venularum utrinque manifestis; petioli 0.6—1 cm longi, pilis sericeis adpressis vestiti. Inflorescentia capitata ad apicem ramorum axillaris, pecunculo 1.5—2 cm longo, dense sericeo. Flores sessiles. Perianthium 2 cm longum, extus pilis sericeis argenteis vestitum, intus glaber, apice 4-lobatum, lobis ovato-lanceolatis 4 mm longis 1.5 mm latis. Stamina 8, in seriebus 2 disposita, superiora ad faucem tubi perianthii sed inferiora 3 mm infra faucem inserta; antherae fere estipitatae, lanceolatae, graceles, 1.5 mm longae. Ovarium ellipticum 3 mm longum, supra medium pilis albo-sericeum aggregatum, stylo lineari 3 mm longo, stigmate clavato 2 mm longo pilis papilliformibus vestito. Discus disciformis, membranaceus, margine irregularis. Fructus non visus. Vere initio florens.

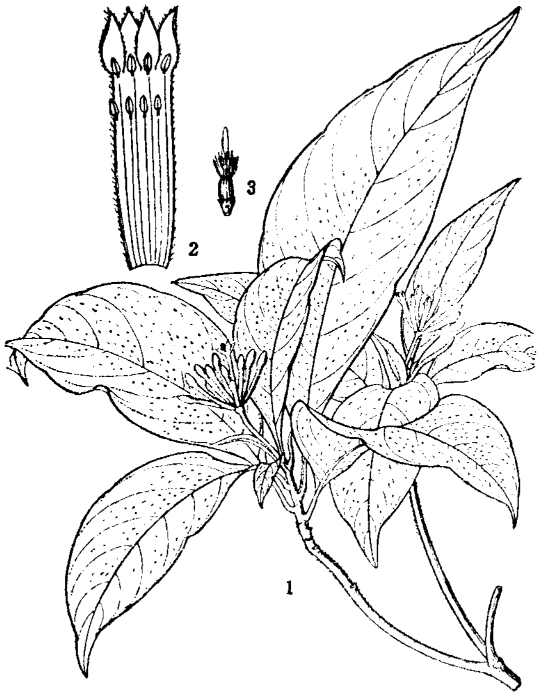


图4. 西畴结香 Edgeworthia eriosolanoides Feng & S. C. Huang　1.花枝；2.花被纵剖，×2；3.雌蕊，×2。（李锡畴绘）

Yunnan: Xichou, 27 Jan. 1959, K. M. Feng 107 (Typus, KUN).

云南：西畴（仁和公社），1959年1月27日，冯国楣107（模式标本存昆明植物研究所标本室）。

本种与白结香 *Edgeworthia albiflora* Nakai 相近，但头状花序仅具15—17花，花被外面被银色绢毛而与之不同。

荛花属　**Wikstroemia** Endl.

组Ⅰ. 荛花组

Sect. I. **Wikstroemia**——Sect. 1. *Euwikstroemis* Meisn. in DC. Prodr. 14:543. 1857; Gilg in Engl. und Prantl., Nat. Pflanzenf. 3 (6a):235. 1894, ampl.

花被多无毛，花后脱落；花簇生或成头状花序、短总状穗状花序；核果较大，裸露，多浆汁。

关于本组的果实情况，因有数种未见到果标本，尚不完全清楚。但花被肉质，无毛或少毛则核果多汁这种相关性是存在的。故采用花被特征分组。

系1. 短穗系 新系

Ser. 1. **Brachystachyae** S. C. Huang, ser. nov.

Inflorescentia initio subcapitata post anthesin in spicam brevem elongata; perianthium 4-raro 5-lobatum.

Typus seriei : W. hainanensis Merr.

花序初时近头状，花后逐渐延长成短穗状；花被4裂，极少为5裂。

系的模式种：海南荛花 W. hainanensis Merr.

我国有11种：1a. 光叶荛花 (W. glabra Cheng f. glabra)，1b. 紫被光叶荛花 (W. glabra Cheng f. purpurea (Cheng) S. C. Huang, grad. nov.)，2. 城口荛花 (W. fargesii (Lecte.) Domke)，3a. 细轴荛花 (W. nutans Champ. var. nutans)，3b. 短细轴荛花 (W. nutans Champ. var. brevior Hand.-Mazz.)，4. 了哥王 (M. indica (L.) C. A. Mey)，5. 粗轴荛花 (W. pachyrachis S. L. Tsai)，6. 岩杉树 (W. angustifolia Hemsl.)，7. 窄叶荛花 (W. chuii Merr.)，8.独鳞荛花 (W. mononectaria Hayata)，9. 亚麻荛花 (W. linoides Hemsl.)，10.海南荛花 (W.hainanensis Merr.)，11.大叶荛花 (W. liangii Merr. et Chun)。

1b. 紫背光叶荛花 新改级

Wikstroemia glabra Cheng f. **purpurea** (Cheng) S. C. Huang, grad. nov. ——*W. glabra* var. *purpurea* Cheng in Contr. Biol. Lab. Sci. Sco. China 9:203. 1934.

系2 锥花序 新系

Ser. 2. **Micranthae** S. C. Huang, ser. nov.

Inflorescentia in paniculam axillaris vel terminalis disposita; perianthium 4-raro 5-lobatum.

Typus seriei:W. micrantha Hemsl.

花序成顶生或腋生的圆锥花序；花被4裂，稀5裂。

系的模式种：小黄构 W. micrantha Hemsl.

我国有3种：12a. 小黄构 (W. micrantha Hemsl. var. micrantha)，12b. 圆锥荛花 (W. micrantha Hemsl. var. paniculata (Li) S. C. Huang, grad. nov.)，13. 长锥序荛花 (W. longipaniculata S. C. Huang, sp. nov.)，14. 白花荛花 (W. trichotoma (Thunb.) Makino)。

12b.圆锥荛花 秏子皮（湖南），小雀儿麻（广西） 新改级

Wikstroemia micrantha Hemsl. var. **paniculata** (Li) S. C. Huang, grad. nov.——*W. paniculata* Li in Journ. Arn. Arb. 24:448. 1934; 蔡少兰，中山大学学报 5 （2）：97. 1956.

13. 长锥序荛花　新种　图 5

Wikstroemia longipaniculata S. C. Huang, sp. nov. Fig.5

Species *W. micranthae* Hemsl. affinis, sed panicula ramosiora. albo-pubescenti, foliis majoribus 3—8 cm longis, 1—2.8 cm latis differt.

Frutex 2 m altus praeter inflorescentiam hirtam glaber; ramulis juvenilibus robustis nigricantibus. Folia alternata chartacea, elliptica, 3—8 cm longa, 1—2.8 cm lata, apice breviter acuminata raro obtusa vel emarginata, basi cuneata, venis reetiformibus densis et manifestis, utrinque prominentibus, ad marginem anastomosantibus; petioli 6—9 mm longi. Panicula terminalis, 5—7 cm longa, ramis multis, albo-pubescens. Bracteae parvae lanceolatae. Flores parvi viriduli, perianthiis 3.5 mm longis, apice 4-lobatis, lobis majoribus 2, minoibus 2, ommibus apice rotundatis. Stamina 8, in seriebus 2 disposita, 4 supera ad faucem tubi perianthii, 4 infera supra medium tubi perianthii inserta. Ovarium oblongum, apice densius ceterum dense albo-hirsutum, stylo brevi in pilo incluso, stigmate globoso papillato. Disci squamae 2 lineares parvae, 1 longiores. Fructus ignotus. Florent sutumno.

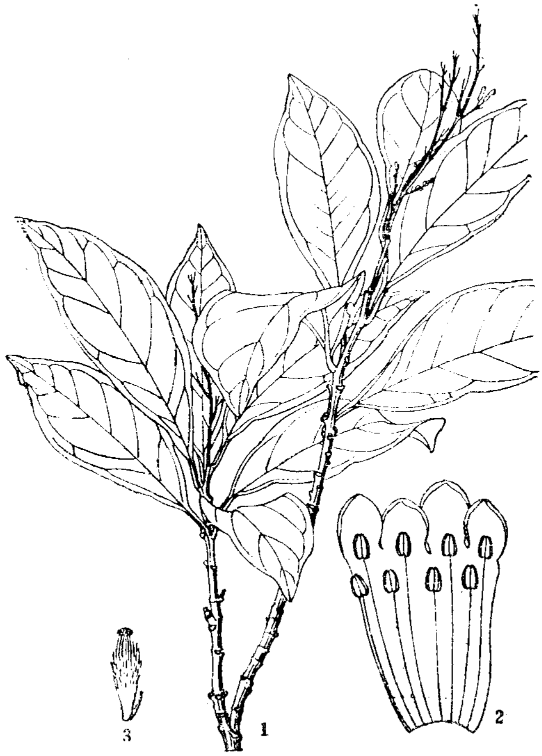


图5. 长锥序荛花 Wikstroemia longipaniculata S. C. Huang 1.花枝；2.花被纵剖，×2；3.雌蕊及花盘鳞片，×7。（肖溶绘）

Guangxi: Longzhou Xian, alt. 500 m, ad rupes in silvis mixtis, 14 Aug. 1957, S. H. Chun 13657 (Typus, SCBI).

广西：龙州，生林中岩石上，海拔500米，1957年 8 月14日，陈少卿13657（模式标本存华南植物研究所标本室）。

本种与小黄构 *W. micrantha* Hemsl. 相近，唯圆锥花序分枝较多，被白色柔毛，叶大，长 3 — 8 厘米，宽 1 —2.8厘米而不同。

组 Ⅱ. 毛花组

Sect Ⅱ. **Diplomorpha** Meisn. in DC. Prodro 14:546. 1857, ampl.; Benth. et Hook. f., Gen. Pl. 3(1): 193. 1880; Supprian in Engl., Bot. Jahrb. 18: 337. 1891; Gilg in Engl. und Prantl., Nat. Pflanzenf. 3 (6a):235. 1894. ——*Diplomorpha* Meisn. in Denkschr. Regensb. Bot. Gesellsch. 3:289. 1841; C. A. Mey. in Ann. Sci. Nat. 20:45, 50. 1843, p.p.; Endlicher, Gen. Pl. Suppl. 4(2):66. 1847, p.p.; Nakai, Fl. Sylv. Kor. 17:37. 1928 et in Journ. Jap. Bot. 13:881. 1937; Hara, Enum. Sperm. Jap. 3:233. 1954; Hamaya in Bull. Tokyo Univ. Forest. 50:80. 1955.

花被被绢毛；短穗状花序或由穗状花序组成紧密或疏松的圆锥花序；果干燥，狭椭圆形或棒状，通常包被于宿存花被内。

系1. 顶序系 新系

Ser. 1. **Lichiangense** S. C. Huang, ser. nov.

Inflorescentia terminalis vel ad apicem ramuli lateralis, initio subcapitata post anthesin in spicam brevem elongata; perianthium 4-lobatum.

Typus seriei:W. lichiangensis W.W.Smith

花序顶生或生于侧枝顶端，初时近头状，后逐渐延伸成短穗状；花被4裂。

系的模式种：丽江荛花 W. lichiangensis W. W. Smith

我国有10种：15. 头序荛花 (W. capitata Rehd.), 16a. 互生叶荛花 (W. alternifolia Batalin var. alternifolia), 16b. 多花荛花 (W. alternifolia Batalin var. multiflora Lecte.), 17. 北江荛花 (W. monnula Hance), 18. 德钦荛花 (W. techinensis S. C. Huang, sp. nov.), 19. 荛花 (W. canescens (Wall.) Meisn.), 20. 羊眼子 (W. ligustrina Rehd.), 21. 丽江荛花 (W. lichiangensis W. W. Smith), 22. 隆子荛花 (W. lungtzeensis S. C. Huang), 23. 白马山荛花 (W. baimashanensis S. C. Huang, sp. nov.), 24. 短总序荛花 (W. capitato-racemosa S. C. Huang, sp. nov.).

18. 德钦荛花 新种 图6

Wikstroemia techinensis S. C. Huang, sp. nov. Fig. 6

Species *W. gracilis* Hemsl. similis, sed foliis alternatis, floribus 2—4 ad apicem ramuli insertis.

Frutex 1.5 m altus. Gemmae subglobosae, albo-tomentosae. Ramuli hornotini tenues sparse pilosi, annotini fusci striati glabri. Folia alternata, membranacea, late elliptica vel obovata, 2—5 cm longa, 1—2.5 cm lata, apice rotundata vel obtusa vel emarginata, basi cuneata, supra viridia, subtus cinerascentia, costa utrinque manifesta, nervis lateralibus tenuibus, subtus leviter elevatis; petiolo fere 1 mm longo. Pedunculus fere 5 mm longus. Flores 2—4 ad apicem ramuli emittentes. Perianthium viridulum, fere 1.2 cm longum, 8-nervi, extus pilosum, apice 4-lobatum, lobis oblongis apice paullo erosulis. Stamina 8, linearis, in seriebus 2 disposita, inferiora ad medium tubi perian-

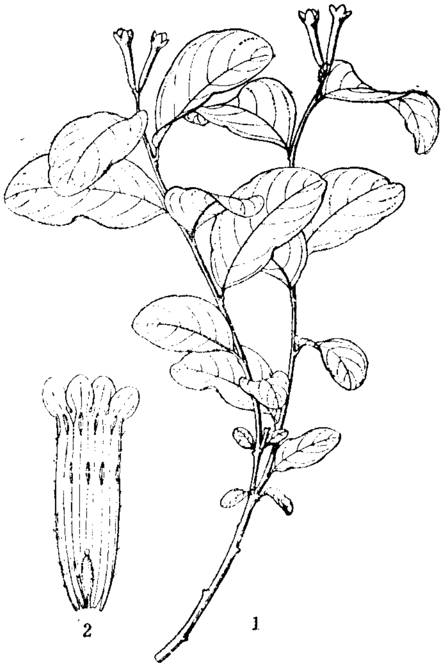


图6．德钦荛花 Wikstroemia longipaniculata S. C. Huang　1.花枝；2.花被展开，×2。（李锡畴绘）

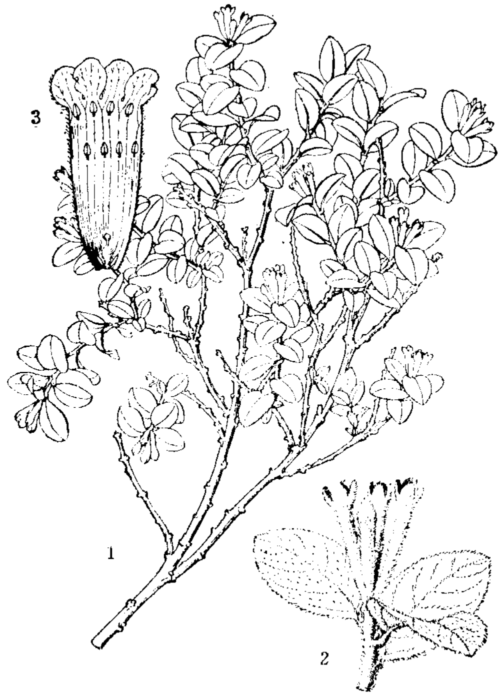


图7．隆子荛花 Wikstroemia lungtzeensis S.C. Huang　1.花枝；2.花序及叶，×3/2；3.花被展开，×5/2。（李锡畴绘）

thii inserta. Ovarium clavatum ad apicem densius ceterum dense adpresseque pubescens, stipitatum, stylo brevi in pilo incluso, stigmate subgloboso. Disci squamae 2, lineares vel 1 latior ovario duplo brevior. Fructus non visus. Florent in aestata.

Yunnan:Deqen, alt. 3400 m, in silvis, 24 Jun. 1937, T. T. Yü 8720 (Typus, KUN).

云南：德钦，生于丛林中，海拔3400米，1937年6月24日，俞德浚8720（模式标本存昆明植物研究所标本室）

本种外形与纤细荛花 *W. gracilis* Hemsl. 相似，唯叶互生，花2—4朵聚生于枝顶而不同。

22. 隆子荛花　新种　图7

Wikstroemia lungtzeensis S. C. Huang, sp. nov. Fig. 7

Species affinis *W. baimashanensi* S. C. Huang, a qua differt tubo perianthii breviore fere 1.1 cm longo, foliis utrinque adpresse pubescentibus, disci squamis duabus.

Frutex 1—1.5 m altus. Gemmae globosae albo-tomentosae. Ramuli hornotini grisei, dense cinereo-pubescentes, annotini fusci glabrescentes, internodiis

brevibus. Folia alternata, brevi-petiolata, subrotundata vel oblonga, apice obtuse, mucronata, basi subrotundata vel late cuneata, utrinque adpresse pubescentia, nervis lateralibus tenuibus utroque 3—5. Flores 2—4 ad apicem ramuli inserti. Perianthium flavum, 1.1 cm longum, extus dense villosum, intus conspicue reticulatum, 4-lobatum, lobis subrotundatis 1.5 mm longis, apice erosis. Stamina 8, in seriebus 2 disposita, superiora ad faucem sed inferiora supra medium tubi perianthii inserta. Ovarium stipitatum, stipite 2—3 mm longo, dense villoso, stylo brevi, stigmate capitato. Disci squama interdum una et ad apicem biloba, interdum duae et separata, attamen latere squamella una instructa. Florent in Junio.

Xizang:Lhunze alt. 3600-3800 m, in declivitatibus montis aridis, 30 Jun. 1975, Qingzang Complement. Coll. Group 750416 (Typus, KUN).

西藏：隆子，生于干燥山坡，海拔3600—3800米，1975年6月30日，青藏补点组750416（模式标本存昆明植物研究所标本室）

本种与白马山荛花 *Wikstroemia baimashanensis* S. C. Huang 相近，唯花被管较短，约1.1厘米，叶两面均被平贴柔毛，花盘鳞片2枚而不同。

23. 白马山荛花　新种　图8

Wikstroemia baimashanensis S. C. Huang, sp. nov. Fig.8

Species *W. lichiangensi* W. W. Smith affinis, a qua differt floribus paucioribus tantum 2—4, simul florentibus, foliis utrinque glabris.

Frutex 0.8—1 m altus; ramulis hornotinis brunneis, sparse pubescentibus, biennibus fuscis, glabris vel subglabris. Folia alternata, membranacea, elliptica vel oblonga, 0.8—2 cm longa, 0.5—1.2 cm lata, ad apicem ramuli versus sensim increscentia, apice rotundata vel obtusa, basi late cuneata vel subrotundata, utrinque glabra, nervis lateralibus tenuibus utroque 2—3; petiolo brevi fere 1mm longo. Flores 2—4 ad apicem ramuli inserti, simul florentes, pedicellis 1 mm longis. Perianthium flavum, membranaceum, circa 1.4 cm longum, extus sparse pubescens, intus glabrum,

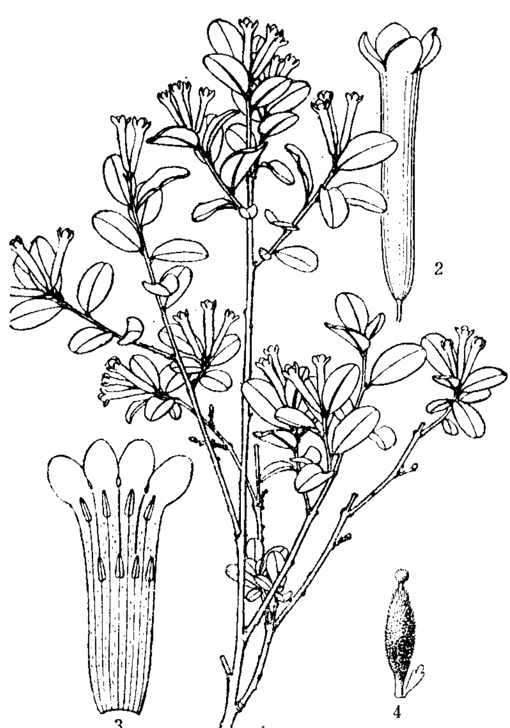


图8. 白马山荛花 Wikstroemia baimashanensis S. C. Huang 1.花枝；2.花，×5/2；3.花被剖开，×5/2；4.雌蕊及花盘鳞片，×6。（曾孝濂绘）

8-nervi, lobis 4, oblongis 2 mm longis apice rotundatis margine erosis conspicue reticulatis. Stamina 8, in seriebus 2 disposita, 4 supera ad faucem tubi perianthii, 4 infera ad medium tubi inserta. Ovarium stipitatum perianthio 7-plo brevius, pubescens, stylo brevi, stigmate globoso papillato. Disci squama 1, anguste oblonga, 3-lobata, lobo medio longiore. Fructus ignotus.

Yunnan:Deqen, alt. 2800 m, in pinetis, 9 Jun. 1976, Qingzang Complex Exped. 11793 (Typus, KUN).

云南：德钦，生于松林下，海拔2800米，1976年6月9日，青藏科考队11793（模式标本存昆明植物研究所标本室）

本种与丽江荛花 *Wikstroemia lichiangensis* W.W. Smith 相近，唯花较少，仅2—4朵，同时开放，叶两面无毛而不同。

24. 短总序荛花　新种　图9

Wikstroemia capitato-racemosa S. C. Huang, sp. nov. Fig. 9

Species affinis *W. lichiangensi* W. W. Smith et *W. canescenti* (Wall.) Meisn., ab ambobus perianthii tubo brevi, 0.8—0.9 cm longo, in tempore florendi valde inaequilongo.

Frutex 0.5—2 m altus, ramosus, scoparius; ramulis hornotinis albo-tomentosus, annotinis cinereo-fuscis vel brunneis glabrescentibus. Gemmae subglobosae albo-tomentosae. Folia alternata, chartacea, lanceolata, ovato-lanceolata vel oblongo-elliptica, 1.5—3.5 cm longa, 0.5—1.5 cm lata, apice acuta, basi rotundata vel late cuneata, utrinque dense cineraceo-sericea, demum glabrescentia vel subglabra, nervis lateralibus utroque 4—7, subtus prominentibus, dense reticulatis; petioli 1—2 mm longi. Racemus abbreviatus, terminalis vel ad apicem ramuli axillaris, 5—10-florus, pedunculo 0.6—1.2 cm longo, interdum epedunculatus et foliolis 2 suffultus, pedicellis brevibus cum perianthio articulatis, flos ab articulo delapsus. Perianthium flavum 0.8—0.9 cm longum, in tempore florendi valde inaequilongum, extus cineraceo-pubescens, apice 4-lo-



图9. 短总序荛花 Wikstroemia capitato-racemosa S. C. Huang　1.花枝；2.花被展开；3.幼枝放大一部分；4.叶背放大一部分。（臧穆绘）

batum, lobis oblongis 1—1.5 mm longis apice obtusis. Stamina 8, circa 1 mm longa, in seriebus 2 disposita, 4 supera ad faucem tubi perianthii, 4 infera supra medium tubi perianthii inserta. Ovarium sessile, ellipsoideum, 1.5—2 mm longum, sericeum, stylo brevi pubescenti, stigmate globoso papillato. Disci squama 1, lineari-lanceolata, interdum oblonga vel quadranta, apice irregulariter dentata. Drupa sicca. Florent in autumno.

Yunnan:Deqen, alt. 3850 m, in declivitatibus montis, 12 Aug. 1937, T. T. Yü 9617 (Typus, KUN); ibid., T.T.Yü 10065, 10151, 10479; ibid., C. W. Wang 70333; ibid., K.M.Feng 6320.

Sichuan:Huidong Xian, 23 Jun. 1959, S. K. Wu 1825; Xiangcheng, 29 Jun.1973, Sichuan Veg. Exped. 2812.

Xizang:Qamdo, alt. 3600 m, 3 Jun. 1973, Qingzang Complex Exped, 73-86; Chag'yab Xian, Qingzang Complex Exped. 12990, 13023; Zayu Xian (Tsa-wa-lung), Sept. 1935, C. W. Wang 66519.

云南：德钦，生于山坡，海拔3850米，1937年8月12日，俞德浚9617（模式标本，存昆明植物研究所标本室）；同上地，俞德浚10065，10151，10479；同上地，王启无70333；同上地，海拔2200米，冯国楣6320。

四川：会东，1959年6月23日，武素功1825；乡城，1973年6月29日，四川植被调查队2812。

西藏：昌都，海拔3600米，1973年6月3月，青藏综考队73-86；察隅（察瓦龙），1935年9月，王启无66519。

本种与丽江荛花 *W. lichiangensis* W. W. Smith 及荛花 *W. canescens* (Wall.) Meisn. 相近，唯花被管较短，长0.8—0.9厘米，开花时花被管长度相差很大。

系2. 粗轴系 新系

Ser. 2. **Scytophyllae** S. C. Huang, ser. nov.

Inflorescentia spicata vel paniculato-spicata conferta, terminalis, initio contracta post demum elongata, rachidibus robustis; perianthium 5-raro 4-lobatum.

Typus seriei:W. scytophylla Diels

花序穗状或成圆锥状穗状花序，顶生，初时紧缩而后延长，序轴粗壮；花被5裂，稀4裂。

系的模式种：革叶荛花 W.scytophylla Diels

我国有4种：25a. 细叶荛花（W. leptophylla Smith var. leptophylla), 25b. 黑紫荛花（W. leptophylla Smith var. atroviolacea Hand.-Mazz.), 26. 革叶荛花（W. scytophylla Diels), 27. 澜沧荛花（W. delavayi Lecte.), 28. 金丝桃荛花（W. lamatsoensis Hamaya).

系3. 腋序系 新系

Ser. 3. **Parviflorae** S. C. Huang, ser. nov.

Inflorescentiae axillares vel flores 1—2 ex axillis foliorum summorum prodientes; perianthium 4-raro 5-lobatum.

Typus seriei: W. parviflora S. C. Huang

花序腋生或1—2花生于枝条上部叶腋；花被4裂稀5裂。

系的模式种：小花荛花 W. parviflora S. C. Huang

我国有3种：29. 茂功荛花 (W. paxiana H. Winkl.), 30. 小花荛花 (W. parviflora S. C. Huang, sp. nov.), 31. 匙叶荛花 (W. cochlearifolia S. C. Huang, sp. nov.),

30. 小花荛花 新种 图10

Wikstroemia parviflora S. C. Huang, sp. nov. Fig. 10

Species *W. cochlearifoliae* S. C. Huang affinis sed ramulis sparse pubescentibus, foliis lineari-lanceolatis, utrinque pubescentibus, disci squama 1 deffert.

Frutex 0.2—0.4 m altus ramosus. Ramuli juveniles cinerei, pubescentes, in vetustate glabrescentes. Folia parva, alternata, lanceolata vel lineari-lanceolata, 0.4—1 cm longa, 1—2 mm lata, margine revoluta, utrinque pubescentia, interdum ea minuta elliptica fere 2.5 mm longa et 1 mm lata ad apicem ramulorum abbreviatorum aggregata. Flores parvi, flavo-virentes, 1—4 terminalis vel e foliorum summorum ramulorum lateralium brevium axillis orti. Perianthium 5 mm longum, extus pubescens, lobis 4, apice rotundatis. Stamina 8, in 2 seriebus, 4 supera ad faucem tubi perianthii, 4 infera supra medium tubi perianthii inserta. Ovarium obovoideum, supra medium pubescens, stylo brevi, stigmate capitato. Disci squama 1, gracilis. Drupa ovoidea, 3 mm alta, 1.5 mm in diametro perianthio persistenti cincta.

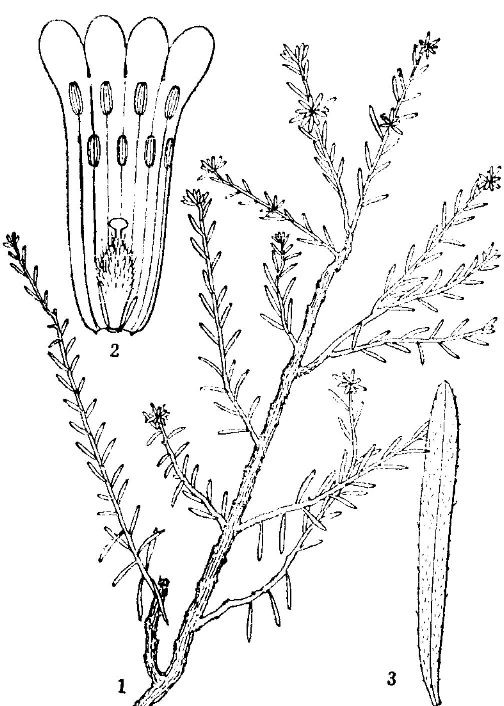


图10. 小花荛花 Wikstroemia parviflora S. C. Huang 1.花枝; 2.花被展开, ×4; 3.叶片放大, ×4。(杨建昆绘)

Gansu: Wen Xian, alt. 980 m, in fruticetis vel in declivitatibus montis aridis, 17 Aug. 1967, Tang Chang-lin 1718 (Typus, KUN).

甘肃：文县，生于旱山坡灌丛，海拔980米，1967年8月17日，唐昌林1718 (模式标本

存昆明植物研究所标本室）

本种与匙叶荛花 *Wikstroemia cochlearifolia* S. C. Huang 相近，唯小枝毛被稀薄，叶线状披针形，两面均被柔毛，花盘鳞片1枚而不同。

31. 匙叶荛花 新种 图11

Wikstroemia cochlearifolia S. C. Huang, sp. nov. Fig. 11

Species *W. pampanini* Rehd. affinis, a qua diffest ramulis juvenalibus dense griseo-pubescentibus, foliis tantum subtus adpresse villosis, disci squamis 4, linearibus.

Frutex 0.5 m altus. Ramuli juveniles dense griseo-pubescentes, annotini nigricantes glabrescentes vel subglabri. Folia alternata, raro subopposita, elliptica vel oblanceolato-spathulata, 1—2 cm longa, 2—5 mm lata, apice acuta, basi angustata, supra glabra, subtus dense adpresseque villosa, venis obscuris; petioli breves vel nuli. Inflorescentia capitata terminalis, vel flores unus ad plures ad apicem ramorum axillares vel ad apicem ramulorum lateralium brevium aggregati. Perianthium luteolum 8 mm longum, extus villosum, lobis 4, 2 majoribus, apice rotundatis. Stamina 8, in seriebus 2 disposita, 4 supera ad faucem tubi perianthii, 4 infera supra medium tubi perianthii inserta. Ovarium obconicum pubescens, 2 mm longum, stylo brevi in pilo incluso, stigmate globoso. Disci squamae 4 lineares, parvae. Fructus immaturus ellipsoideus in perianthio marcescente inclusus. Florent in autumno.

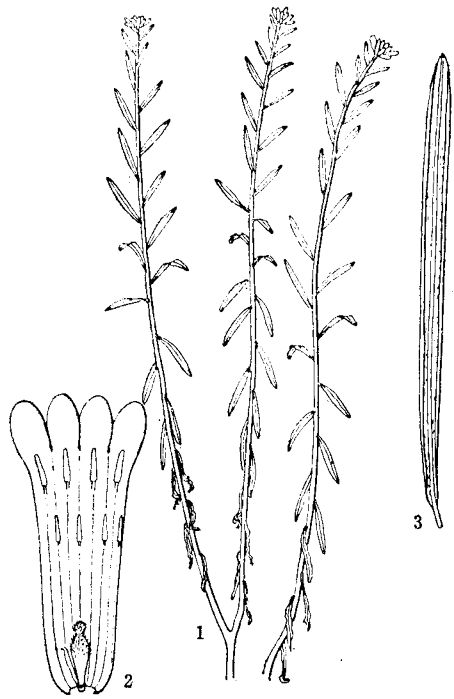


图11. 匙叶荛花 Wikstroemia cochlearifolia S. C. Huang 1.花枝；2. 花被展开，×5；3.叶片放大，×5。（杨建昆绘）

Sichuan:Jiangyou Xian, alt. 1200 m, in thujetis, 19 Aug. 1930, F.T. Wang (Typus, KUN).

四川：江油县，生于崖柏林下，海拔1200米，1930年8月19日，汪发缵22239（模式标本存昆明植物研究所标本室）

本种与鄂北荛花 *Wikstroemia pampanini* Rehd. 相近似，唯幼枝密被灰色柔毛，叶仅在下面被平贴长柔毛，花盘鳞片线形，4枚而不同。

系4. 锥序系 新系

Ser. 4. **Haoianae** S. C. Huang, ser. nov.

Paniculae terminales vel axillares, densae vel laxae, vel raro e spicis ter-

minalibus ad apicem ramulorum compositae; perianthia 4-raro 5-lobata.

Typus seriei: *W*. haoii Domke

圆锥花序顶生或腋生，紧密或疏松，极少为顶生穗状花序而在侧枝顶端组成圆锥花序；花被 4 裂，少 5 裂。

系的模式种：武都荛花 W. haoii Domke

我国有 7 种：32.河朔荛花 (W. chamaedaphne Meisn.), 33. 轮叶荛花 (W. stenophylla E. Pritz. ex Diels), 34. 纤细荛花 (W. gracilis Hemsl.), 35. 武都荛花 (W. haoii Domke), 36. 鄂北荛花 (W. pampanini Rehd.), 37. 一把香 (W. dolichantha Diels), 38a. 多毛荛花 (W. pilosa Cheng var. pilosa), 38b. 绢毛荛花 (W. pilosa Cheng var. kulingensis (Domke) S. C. Huang).

38b.绢毛荛花　新改级

Wikstroemia pilosa Cheng var. **kulingensis** (Domke) S. C. Huang, grad. nov.——*Wikstroemia kulingensis* Domke in Notizbl. Bot. Gart. Berlin 13: 388. 1936——*W*. *sericea* Domke in Notizbl. Bot. Gart. Berlin 11:356. 1932, non Christoph.; Chun in Sunyats. 4:184. 1940——*W*. *canescens* auct. non Meisn.:Hemsl. in Journ. Linn. Soc. Bot. 26:397. 1894.

狼毒属　Stellera (J. G. Gmel.) L.

黄花甘遂　新变型

Stellera chamaejasme L. f. **chrysantha** S. C. Huang, f. nov.

A f. *chamaejasma* recedit perianthio luteo.

Yunnan: Zhaotong, H. T. Tsai 50926 (Typus. KUN); Jianshui, H.T. Tsai 53002; Shiping, H. T. Tsai 53390; Dali, C. W. Wang 63455, 63512; R. C. Cheng 22786; Lijiang, C. W. Wang 71649; T. T. Yü 8002, 11006; R. C. Cheng 20439, 20440, 22210, 30017, 30104, 30881; Jianchuan, R. C. Cheng 23089; Weixi, C. W. Wang 63781, 64385; R. C. Cheng 4592; Zhongdian, T. T. Yü 11640, 12631; K. M. Feng 578, 1484; Deqen, T. T. Yü 8443, 9610; Ninglang, T. T. Yü 5311; Luquan, P.Y. Mao 1391 A; Kunming, C. W. Wang 63000, K. M. Feng 48.

Sichuan: Muli, T. T. Yü 6237; Jiulong, T. T. Yü 6954. Guizhou: Weining, Bijie Exped. 204. Xizang: Markam, Qingzang Complex Exped. 11977.

与原变型不同在于花被黄色。

云南：昭通，蔡希陶50926（模式标本存昆明植物研究所标本室）；建水，蔡希陶53002；新平，蔡希陶53390；大理，王启无63455，63512；秦仁昌22786；丽江，王启无71649；俞德浚8002，11006；秦仁昌20439，20440，22210，30017，30104，30881；剑川，秦仁昌23089；维西，王启无63781，64385；秦仁昌4592；中甸，俞德浚11640，12631；冯国楣578，1484；德钦，俞德浚8443，9610；宁蒗，俞德浚5311；禄劝，毛品一1391A；昆明，王启无63000；冯国楣48。

四川：木里，俞德浚6237；九龙，俞德浚6954。贵州：威宁，毕节队204。西藏：芒康，青藏综考队11977。